

CLAIMS

WHAT IS CLAIMED:

1. A method, comprising:

receiving configuration information; and

providing at least a portion of the configuration information to an external device
through a platform-independent interface.

2. The method of claim 1, wherein providing at least the portion of the
configuration information comprises providing at least the portion of the configuration
information from a platform-independent routine to a Universal Serial Bus (USB) device
through the platform-independent interface.

3. The method of claim 2, wherein providing at least the portion of the
configuration information comprises providing a reset signal to the USB device, transmitting
at least the portion of the configuration information to the USB device, and providing an
unreset signal to the USB device.

4. The method of claim 1, wherein receiving the configuration information
comprises receiving the configuration information as a manual input from a user.

5. The method of claim 1, wherein receiving the configuration information
comprises receiving a file name, accessing a file associated with the file name, and retrieving
the configuration information from the file.

6. An article comprising one or more machine-readable storage media containing instructions that when executed enable a processor to:

access a data file;

receive data and an associated destination address from the data file; and

store the data at a memory location indicated by the destination address in a Universal Serial Bus (USB) device through a platform-independent interface.

7. The article of claim 6, wherein the instructions when executed enable the processor to receive an address indicating the memory location in at least one of an internal memory and an external memory.

8. The article of claim 7, wherein the instructions when executed enable the processor to store the data in the internal memory if the received address falls within an address range associated with the internal memory.

9. The article of claim 8, wherein the instructions when executed enable the processor to provide a reset signal to the USB device, transmit at least the portion of the data to the associated destination address in the USB device, and provide an unreset signal to the USB device.

10. The article of claim 7, wherein the instructions when executed enable the processor to store the data in the external memory if the received address falls within an address range associated with the external memory.

11. The article of claim 10, wherein the instructions when executed enable the processor to provide a reset signal to the USB device, transmit an executable program to the USB device, and provide an unreset signal to the USB device.

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12. The article of claim 11, wherein the instructions when executed enable the processor to cause the executable program to be executed in response to providing the unreset signal, wherein, the executable program enables data to be stored in the external memory.

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13. The article of claim 11, wherein the instructions when executed enable the processor to remove the executable program from the USB device.

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14. An apparatus, comprising:

a storage unit adapted to store a platform-independent routine and a platform-independent interface; and

a control unit adapted to execute the platform-independent routine, wherein the platform-independent routine causes the control unit to receive configuration information, and configure a Universal Serial Bus (USB) device through the platform-independent interface using at least the portion of the configuration information.

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15. The apparatus of claim 14, wherein the platform-independent routine is a Java-based application.

16. The apparatus of claim 14, wherein the control unit causes the at least the portion of the configuration information to be stored in at least one of an internal memory and an external memory of the USB device.

5 17. The apparatus of claim 16, wherein the control unit further uploads a loader to the internal memory of the USB device.

18. An apparatus, comprising:
a platform-independent USB interface adapted to interface with one or more universal
10 Serial Bus (USB) devices;
a storage unit adapted to store a platform-independent configuration routine; and
a platform-independent interpreter adapted to execute the platform-independent
routine and to cause configuration information to be stored in the one or more
15 USB devices through the platform-independent USB interface.

19. The apparatus of claim 18, wherein the storage unit is adapted to store a Java-based executable program.

20 20. The apparatus of claim 18, wherein the platform-independent interface comprises a Java-based application program interface (API).

21. The apparatus of claim 18, wherein the platform-independent interpreter is a Java interpreter.